APPENDIX B-1:

RESULTS OF SOIL VAPOR ANALYSES

MAR 0 1 2004

MOBILE GEOCHEMISTRY
H&P

February 25, 2004

Mr. Scott Brehmer
Geofon
22632 Golden Springs Drive, Suite 270
Diamond Bar, CA 91765

Subject: Data Report - Jet Propulsion Laboratory - 4800 Oak Drive, Pasadena, CA - Geofon Project #04-4428.10

H&P Mobile GeoChemistry Project # GF020204-L6

Mr. Brehmer:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (Cert#1561).

Project Summary

Soil vapor from 10 points was analyzed for:

- Halogenated and volatile aromatic hydrocarbons by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile GeoChemistry appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely

Rebecca Johnson

Ms. Rebecca Johnson

432 North Cedros Avenue, Solana Beach, California 92075 | 858.793.0401 — Fax 858.793.0404
148 South Vinewood Street, Escondido, California 92029 | 760.735.3208 — Fax 760.735.2469
2373 208th Street, Suite F-1, Torrance, California 90501 | 310.782.2929 — Fax 310.782.2798
www.HandPmg.com | 1-800-834-9888

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Mobile GeoChemistry Project #GF020204-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW37-VPJ 001	SVW36-VPB-002	SVW36-VPC-003	SVW33-VPD-004	SVW33-VPE-005	SVW33-VPF-006	SVW32-VPH-007	SVW4-VPB-008	SVW4-VPD-009	SVW4-VPD-010 Dup
DATE	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04	02/02/04
ANALYSIS TIME	7:07	7:56	8:23	8:50	9:17	9:44	10:11	10:38	11:05	11:32	11:59
SAMPLING DEPTH (feet)	--	185	35	55	85	105	120	155	20	56	56
VOLUME WITHDRAWN (cc)	--	800	200	280	400	480	540	680	140	284	344
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	2.0	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORD ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	2.6	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	21	14	12
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	1.0	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMODIFLUOROMETHANE	99%	100%	99%	99%	102%	100%	100%	99%	99%	97%	100%
1,2-DICHLOROETHANE-d4	95%	90%	95%	93%	94%	94%	95%	95%	94%	94%	96%
4 BROMOFLUORO BENZENE	92%	90%	96%	93%	94%	96%	93%	91%	94%	93%	93%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEO CHEMISTRY
H&P

APR 2 1 2004

April 16, 2004

Mr. Jay Robinson
Geofon
22632 Golden Springs Drive
Suite 270
Diamond Bar, CA 91765

SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE – PASADENA, CA - GEOFON PROJECT #04-4428.10 JPL#2

HP Labs Project # GF040604-L6

Mr. Robinson:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #1561).

Project Summary

Soil vapor from 41 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile Geochemistry appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Ms. Tamara Davis
Lab Director

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469
2373 208th Street, Suite F-1, Torrance, California 90501 | 310 782.2929 — Fax 310 782.2798
www.HandPmg.com | 1-800-834-9888

GEOFON PROJECT # 04-12812
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF040604-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW33-VPD-001	SVW33-VPE-002	SVW33-VPF-003	SVW17-VPC-004	SVW4-VPB-005	SVW4-VPD-006	SVW37-VPB-007	SVW37-VPD-008	SVW37-VPE-009	SVW37-VPE-010 Dup
DATE	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04
ANALYSIS TIME	6:47	7:42	8:07	8:34	8:59	9:25	9:52	10:18	10:45	11:14	11:40
SAMPLING DEPTH (feet)	–	85	105	120	36	20	56	40	80	100	100
VOLUME WITHDRAWN (cc)	–	400	480	540	204	140	284	220	380	460	520
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	7.8	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	1.0	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	5.9	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	1.9	24	14	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	76	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	2.9	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	11	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMODIFLUOROMETHANE	112%	114%	113%	117%	91%	110%	112%	117%	117%	118%	121%
1,2-DICHLOROETHANE-d4	104%	105%	108%	108%	86%	101%	105%	107%	106%	107%	111%
4 BROMOFLUORO BENZENE	98%	99%	96%	96%	99%	98%	99%	93%	93%	96%	98%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-12812
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF040604-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW37-VPH-011	SVW37-VPI-012	SVW37-VPJ-013	SVW27-VPA-014	SVW27-VPB-015	SVW27-VPC-016	SVW27-VPD-017	SVW27-VPE-018	SVW27-VPF-019	SVW27-VPG-020	SVW27-VPH-021	SVW27-VPI-022 Dup
DATE	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04	04/07/04
ANALYSIS TIME	6:43	7:24	7:56	8:22	8:49	9:15	9:41	10:07	10:34	11:00	11:27	12:40	13:07
SAMPLING DEPTH (feet)	--	155	170	185	20	35	60	85	100	120	140	180	180
VOLUME WITHDRAWN (cc)	--	680	740	800	140	140	300	400	460	540	620	780	840
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)													
DIBROMODIFLUOROMETHANE	110%	110%	112%	117%	117%	117%	119%	121%	122%	121%	121%	115%	118%
1,2-DICHLOROETHANE-d4	100%	103%	100%	106%	108%	106%	106%	110%	105%	109%	116%	103%	106%
4 BROMOFLUORO BENZENE	96%	101%	98%	93%	97%	96%	97%	94%	95%	94%	92%	92%	92%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-12812
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF040604-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW35-VPE-023	SVW35-VPI-024	SVW38-VPD-025	SVW38-VPF-026	SVW38-VPJ-027	SVW39-VPE-028	SVW39-VPF-029	SVW39-VPG-030	SVW39-VPI-031	SVW39-VPI-032 Dup
DATE	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04	04/06/04
ANALYSIS TIME	6:40	7:24	7:50	8:16	9:10	9:37	10:05	10:32	11:00	11:27	11:53
SAMPLING DEPTH (feet)	–	80	140	80	110	170	85	100	110	130	130
VOLUME WITHDRAWN (cc)	–	380	620	380	500	740	400	460	500	580	640
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	2.3	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	1.1	4.4	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	1.2	nd	nd	nd	8.1	9.2	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMODIFLUOROMETHANE	111%	112%	112%	115%	114%	114%	116%	118%	120%	116%	116%
1,2-DICHLOROETHANE-d4	104%	100%	101%	105%	103%	106%	106%	109%	106%	107%	110%
4 BROMOFLUORO BENZENE	97%	96%	98%	97%	98%	100%	96%	95%	97%	95%	93%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-12812
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF040604-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW26-VPF-033	SVW26-VPG-034	SVW26-VPH-035	SVW36-VPA-036	SVW36-VPB-037	SVW36-VPC-038	SVW36-VPD-039	SVW36-VPE-040	SVW36-VPE-041 Dup
DATE	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04	04/09/04
ANALYSIS TIME	6:30	7:22	7:48	8:14	8:40	9:06	9:33	10:00	10:27	10:54
SAMPLING DEPTH (feet)	–	115	140	160	20	35	55	75	92	92
VOLUME WITHDRAWN (cc)	–	520	620	700	140	200	280	360	428	488
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Cis-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)										
DIBROMODIFLUOROMETHANE	108%	111%	112%	114%	116%	116%	115%	119%	121%	120%
1,2-DICHLOROETHANE-d4	100%	102%	104%	106%	107%	107%	109%	110%	111%	113%
4 BROMOFLUORO BENZENE	97%	96%	99%	95%	96%	97%	97%	96%	92%	96%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

JUL 2 6 2004

July 20, 2004

Mr. Jay Robinson
Geofon
22632 Golden Springs Drive
Suite 270
Diamond Bar, CA 91765

SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE – PASADENA, CA - GEOFON PROJECT #4-12812 JPL#2

HP Labs Project # GF071404-L6

Mr. Robinson:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #2579).

Project Summary

Soil vapor from 10 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

HP Labs appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Tamara Davis

Ms. Tamara Davis
Lab Director

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469
2373 208th Street, Suite F-1, Torrance, California 90501 | 310 782.2929 — Fax 310 782.2798
www.HandPmg.com | 1-800-834-9888

GEOFON PROJECT #4-12812
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF071404-L6
PRELIMINARY DATA
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW39-VPI-001	SVW37-VPJ-002	SVW4-VPB-003	SVW4-VPD-004	SVW17-VPC-005	SVW33-VPD-006	SVW33-VPE-007	SVW33-VPF-008	SVW36-VPB-009	SVW36-VPB-010 Dup	SVW36-VPC-011
DATE	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04	07/14/04
ANALYSIS TIME	6:23	7:40	8:03	8:25	8:55	9:18	9:41	10:03	10:26	10:49	11:11	12:38
SAMPLING DEPTH (feet)	–	130	185	20	56	36	85	105	120	35	35	55
VOLUME WITHDRAWN (cc)	–	580	600	140	284	204	400	480	540	200	260	280
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	53	6.9	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	1.2	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)												
DIBROMODIFLUOROMETHANE	121%	118%	119%	123%	122%	121%	118%	119%	114%	114%	109%	125%
1,2-DICHLOROETHANE-d4	114%	116%	117%	120%	121%	117%	116%	124%	111%	113%	108%	123%
4 BROMOFLUORO BENZENE	109%	111%	113%	113%	118%	115%	111%	111%	108%	109%	105%	110%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

November 17, 2004

Mr. Scott Brehmer
Geofon
22632 Golden Springs Drive
Suite 270
Diamond Bar, CA 91765

SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE – PASADENA, CA - GEOFON PROJECT #4-12812 JPL#2

H&P Mobile Geochemistry Project # GF102504-L6

Mr. Brehmer:
Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #2579).

Project Summary

Soil vapor from 93 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile Geochemistry appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Rebecca L Johnson for

Ms. Tamara Davis
Lab Director

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760.735.2469
3825 Industry Avenue, Lakewood, California 90712 | 562 426.6991 — Fax 562 426.6995
www.HandPmg.com | 1-800-834-9888

MOBILE GEOCHEMISTRY

H&P

GEOFON PROJECT # 04-12812-JPL
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF102504-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW31-VPA-001	SVW31-VPB-002	SVW31-VPC-003	SVW31-VPD-004	SVW31-VPE-005	SVW30-VPA-006	SVW30-VPB-007	SVW30-VPC-008	SVW30-VPD-009	SVW30-VPD-010 Dup	SVW30-VPE-011	SVW12-VPA-012	SVW12-VPB-013	SVW12-VPC-014
DATE	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04	10/25/04
ANALYSIS TIME	7:15	8:04	8:29	8:53	9:16	9:39	10:01	10:23	10:47	11:10	11:33	13:01	13:26	13:50	14:13
SAMPLING DEPTH (feet)	--	20	35	45	55	65	17	30	40	50	50	65	20	40	60
VOLUME WITHDRAWN (cc)	--	140	200	240	280	320	128	180	220	260	320	320	140	220	300
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	95%	94%	94%	93%	96%	96%	95%	94%	92%	96%	97%	93%	93%	90%	96%
1,2-DICHLOROETHANE-d4	95%	89%	89%	89%	96%	90%	92%	94%	90%	94%	94%	91%	92%	90%	91%
4 BROMOFLUORO BENZENE	94%	94%	94%	94%	93%	92%	90%	96%	92%	91%	96%	88%	92%	94%	92%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

GEOFON PROJECT # 04-12812-JPL
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF 102504-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW5-VPB-015	SVW1-VPA-016	SVW1-VPB-017	SVW1-VPC-018	SVW2-VPA-019	SVW3-VPB-020	SVW3-VPB-021 Dup	SVW3-VPC-022	SVW7-VPA-023	SVW7-VPB-024	SVW4-VPB-025	SVW8-VPC-026	SVW8-VPD-027	SVW8-VPE-028
DATE	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04	10/26/04
ANALYSIS TIME	7:19	8:04	8:27	8:51	10:54	11:17	11:41	12:04	12:26	12:50	13:14	15:12	15:35	15:58	16:31
SAMPLING DEPTH (feet)	–	9	10	21	33	10	29	29	40	20	35	20	50	70	90
VOLUME WITHDRAWN (cc)	–	96	100	144	192	100	176	236	220	140	200	140	260	340	420
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	35	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	98%	95%	98%	77%	94%	97%	93%	93%	94%	91%	91%	93%	92%	90%	92%
1,2-DICHLOROETHANE-d4	95%	91%	91%	85%	93%	94%	87%	90%	87%	89%	90%	88%	91%	88%	87%
4 BROMOFLUORO BENZENE	96%	95%	92%	94%	89%	94%	89%	90%	93%	92%	91%	90%	94%	90%	93%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

GEOFON PROJECT # 04-12812-JPL
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF102504-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW11-VPA-029	SVW11-VPB-030	SVW9-VPA-031	SVW9-VPA-032 Dup	SVW9-VPB-033	SVW9-VPC-034	SVW9-VPD-035	SVW9-VPE-036	SVW10-VPB-037	SVW10-VPD-038	SVW14-VPA-039	SVW14-VPB-040
DATE	10/27/04	10/27/04	10/27/04	10/27/04	10/27/04	10/27/04	10/27/04	10/27/04	10/27/04	10/27/04	10/27/04	10/27/04	10/27/04
ANALYSIS TIME	7:28	8:14	8:38	9:06	9:29	9:53	10:17	10:40	11:04	11:26	11:50	13:30	13:53
SAMPLING DEPTH (feet)	--	20	40	20	20	35	50	70	87	35	69	5	10
VOLUME WITHDRAWN (cc)	--	140	220	140	200	200	260	340	408	200	336	80	100
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.9	3.9	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)													
DIBROMODIFLUOROMETHANE	94%	95%	94%	94%	93%	96%	94%	92%	95%	94%	92%	91%	94%
1,2-DICHLOROETHANE-d4	92%	88%	91%	93%	92%	90%	94%	89%	90%	94%	91%	86%	90%
4 BROMOFLUORO BENZENE	94%	92%	90%	93%	94%	91%	91%	91%	92%	90%	92%	93%	91%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

GEOFON PROJECT # 04-12812-JPL
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF102504-LE
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW33-VPA-041	SVW33-VPB-042	SVW33-VPB-043 Dup	SVW33-VPC-044	SVW33-VPD-045	SVW33-VPE-046	SVW33-VPF-047	SVW33-VPG-048	SVW33-VPJ-049	SVW36-VPA-050	SVW36-VPB-051	SVW36-VPC-052	SVW36-VPD-053	SVW36-VPD-054 Dup	SVW36-VPE-055	SVW32-VPB-056	SVW32-VPI-057
DATE	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04	10/28/04
ANALYSIS TIME	7:02	7:34	7:56	8:19	8:41	9:04	9:26	10:34	10:11	10:56	11:19	12:35	12:58	13:22	13:45	14:11	14:34	14:57
SAMPLING DEPTH (feet)	--	20	40	40	60	85	105	120	140	200	20	35	55	75	75	92	40	180
VOLUME WITHDRAWN (cc)	--	140	220	280	300	400	460	540	620	860	140	200	280	360	420	428	220	780
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	1.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)																		
DIBROMOFLUOROMETHANE	94%	92%	94%	96%	95%	94%	95%	95%	95%	97%	93%	96%	91%	94%	96%	93%	95%	96%
1,2-DICHLOROETHANE-d4	92%	89%	91%	92%	88%	92%	91%	88%	94%	91%	89%	90%	88%	89%	90%	91%	97%	93%
4 BROMOFLUORO BENZENE	88%	94%	91%	88%	93%	88%	91%	91%	93%	92%	91%	91%	93%	92%	89%	90%	88%	90%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

GEOFON PROJECT # 04-12812-JPL
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF102504-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW32-VPJ-058	SVW27-VPA-059	SVW27-VPB-060	SVW27-VPC-061	SVW27-VPD-062	SVW27-VPE-063	SVW27-VPF-064	SVW27-VPF-065 Dup	SVW27-VPG-066	SVW27-VPI-067
DATE	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04	10/29/04
ANALYSIS TIME	7:19	8:06	8:30	8:53	9:17	9:39	10:02	10:24	10:46	11:21	11:44
SAMPLING DEPTH (feet)	--	195	20	35	60	85	100	120	120	140	180
VOLUME WITHDRAWN (cc)	--	840	140	200	300	400	460	540	600	620	700
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMODIFLUOROMETHANE	94%	94%	92%	96%	95%	99%	95%	97%	97%	95%	94%
1,2-DICHLOROETHANE-d4	89%	88%	91%	91%	87%	92%	91%	94%	91%	90%	95%
4 BROMOFLUORO BENZENE	90%	90%	90%	94%	94%	93%	90%	94%	89%	91%	89%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

GEOFON PROJECT # 04-12812-JPL
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF102504-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW35-VPB-068	SVW35-VPE-069	SVW26-VPA-070	SVW28-VPD-071	SVW28-VPE-072	SVW26-VPF-073	SVW26-VPG-074	SVW26-VPH-075	SVW26-VPH-076 Dup	SVW25-VPA-077
DATE	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04	11/01/04
ANALYSIS TIME	8:36	9:14	9:39	10:12	10:37	11:00	11:34	11:57	12:21	12:44	13:15
SAMPLING DEPTH (feet)	–	35	80	20	80	105	105	140	160	160	20
VOLUME WITHDRAWN (cc)	–	200	380	140	380	480	520	620	720	780	140
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	3.4	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMODIFLUOROMETHANE	98%	96%	96%	91%	96%	95%	93%	95%	97%	94%	92%
1,2-DICHLOROETHANE-d4	93%	87%	93%	88%	91%	92%	89%	91%	96%	89%	89%
4 BROMOFLUORO BENZENE	90%	94%	90%	93%	92%	94%	93%	94%	93%	92%	90%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

GEOFON PROJECT # 04-12812-JPL
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #CF102504-L5
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW25-VP6-78	SVW25-VP1-079	SVW25-VPJ-080	SVW19A-VPC-081	SVW37-VPS-082	SVW37-VPD-083	SVW37-VPE-084	SVW37-VPH-085	SVW37-VPI-086	SVW37-VPI-087 Dup	SVW37-VPJ-088	SVW34-VPE-089	SVW34-VPF-090	SVW38-VPD-091	SVW38-VPF-092	SVW38-VPJ-093
DATE	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04	11/02/04
ANALYSIS TIME	7:10	7:42	8:06	8:30	8:56	9:20	9:43	10:09	10:36	11:00	11:22	12:17	12:43	13:10	13:34	13:58	14:21
SAMPLING DEPTH (feet)	--	40	160	190	60	40	80	100	155	170	170	165	80	95	80	110	170
VOLUME WITHDRAWN (cc)	--	220	780	820	300	220	380	460	680	740	800	800	380	440	380	500	740
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.4
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	3.4	2.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.5
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.9
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)																	
DIBROMODIFLUOROMETHANE	95%	97%	95%	97%	95%	98%	94%	95%	96%	95%	96%	95%	97%	94%	97%	95%	102%
1,2-DICHLOROETHANE-d4	94%	95%	97%	94%	95%	97%	94%	95%	95%	96%	100%	96%	98%	94%	96%	94%	100%
4 BROMOFLUORO BENZENE	95%	94%	92%	96%	97%	93%	94%	95%	99%	94%	93%	94%	96%	96%	94%	94%	100%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

GEOFON PROJECT # 04-12812-JPL
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF102504-L6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW6-VPB-094	SVW6-VPD-095	SVW6-VPE-096	SVW15-VPB-097	SVW15-VPC-098	SVW15-VPC-099 Dup	SVW15-VPD-100	SVW15-VPE-101	SVW39-VPF-102	SVW39-VPI-103
DATE	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04	11/03/04
ANALYSIS TIME	7:53	8:17	8:40	9:03	9:31	10:01	10:26	10:49	11:21	12:03	12:32
SAMPLING DEPTH (feet)	–	40	77	96	40	60	60	75	95	100	130
VOLUME WITHDRAWN (cc)	–	220	368	444	220	300	360	360	440	460	580
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.4	1.4
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMODIFLUOROMETHANE	96%	99%	94%	95%	98%	96%	97%	97%	99%	96%	92%
1,2-DICHLOROETHANE-d4	95%	101%	97%	96%	95%	98%	96%	99%	99%	96%	92%
4 BROMOFLUORO BENZENE	96%	97%	99%	93%	92%	94%	96%	96%	95%	88%	96%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

APPENDIX B-2

CHAIN-OF-CUSTODY FORM

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF020204-16	MARK BURKE	GEOFON INC.
PROJECT NAME: JPL #2	PROJECT LOCATION: QUARTERLY SVE MONITORING	PROJECT NUMBER: 04-4428-10	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: J. ROBINSON
PROJECT CONTACT: J. ROBINSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 437 N. CEDROS AVE		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: USNAVY SWDIV	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765
PROJECT MANAGER: ASRAR FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW37-VPS-001	AIR	2/2/04	0730	NONE	1*	3	NORM	X	1*60cc SYRINGE
2	SVW36-VPB-002			0750					X	
3	SVW36-VPC-003			0812					X	
4	SVW33-VPD-004			0835					X	
5	SVW33-VPE-005			0900					X	
6	SVW33-VPF-006			0922					X	
7	SVW32-VPH-007			0950					X	
8	SVW4-VPB-008			1020					X	
9	SVW4-VPD-009			1045					X	
10	SVW4-VPD-010 DUPLICATE			1110					X	DUPLICATE

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		2-2-04	1230	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON - LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF040604-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
TPL #2	SEMI ANNUAL SVE SAMPLING	04-4428-10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
J. ROBINSON	714-920-8438	N/A	437 N. COSTA AVE		22632 GOLDEN SPRING DR #270
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASLAM FAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW33-VPD-001	AIR	4/6/04	0715	NONE	1*	3	NORM	X	1*60 cc SYRINGE
2	SVW33-VPE-002			0747					X	
3	SVW33-VPF-003			0813					X	
4	SVW17-VPC-004			0839					X	
5	SVW4-VPB-005			0906					X	
6	SVW4-VPD-006			0932					X	
7	SVW37-VPB-007			0958					X	
8	SVW37-VPD-008			1024					X	
9	SVW37-VPE-009			1050					X	
10	SVW37-VPE-010 DUPLICATE			1116					X	DUPLICATE

SAMPLES COLLECTED BY: Tony

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony		4-6-04	1230	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF040604-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	SEMI ANNUAL SVW SAMPLING	04-4428-10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
J. ROBINSON	714-920-8438	N/A	437 N. CEDROS AVE		22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASRAR FAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses 8010/8020	Comments
1	SVW37-VPH-011	AIR	4/7/04	0706	NONE	1*	3	NORM	X	1*60 cc SYRINGE
2	SVW37-VPI-012			0732					X	
3	SVW37-VPJ-013			0758					X	
4	SVW27-VPA-014			0824					X	
5	SVW27-VPB-015			0850					X	
6	SVW27-VPC-016			0916					X	
7	SVW27-VPD-017			0942					X	
8	SVW27-VPE-018			1008					X	
9	SVW27-VPF-019			1034					X	
10	SVW27-VPG-020			1100					X	

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
TM & JS				
RELINQUISHED BY	**RECEIVED BY**	**DATE**	**TIME**	**SAMPLE'S CONDITION UPON RECEIPT**
		4-7-04	1245	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

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DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON - LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-~~7662~~ 1455	GF040604-L6	MARK BURKE	GEOFON INC.
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	SEMI ANNUAL SWS SAMPLING	04-4428-10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS** #270
J. ROBINSON	714-920-8438	N/A	437 N. CEDROS AVE		22632 GOLDEN SPRINGS DR
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASRAR PARKER	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses 8010/8020								Comments
1	SWJ27-VPI-021	AIR	4/7/04	1240	NONE	1*	3	NORM	X								1* 60 cc SYRINGE
2	SWJ27-VPI-022 DUPLICATE	1	1	1222	1	1	1	1	X								DUPLICATE
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		4-7-04	1245	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF040604-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	SEMI ANNUAL SRW SAMPLING	04-4428-10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
J. ROBINSON	714-920-8438	N/A.	437 N. CEDROS AVE		22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASRAR FAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020								Comments
1	SRW35-VPE-023	AIR	4/8/04	0706	NONE	1*	3	NORM	X								1* 60cc SYRINGE
2	SRW35-VPI-024			0732					X								
3	SRW38-VPD-025			0758					X								
4	SRW38-VPF-026			0824					X								
5	SRW38-VPJ-027			0850					X								
6	SRW39-VPE-028			0944					X								
7	SRW39-VPF-029			1010					X								
8	SRW39-VPG-030			1036					X								
9	SRW39-VPI-031			1102					X								
10	SRW39-VPI-032 DUPLICATE			1128					X								DUPLICATE

SAMPLES COLLECTED BY: Tony Mikel

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony Mikel	[illegible]	4-8-04	1230	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR: J. ROBINSON	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF040604-L6	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): GEOFON INC
PROJECT NAME: JPL #2	PROJECT LOCATION: SEMI ANNUAL SVW SAMPLING	PROJECT NUMBER: 04-4428-10	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: J. ROBINSON
PROJECT CONTACT: J. ROBINSON	PROJECT PHONE NUMBER: 714-970-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 437 N. CEDROS AVE		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 4800 OAKGROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765
PROJECT MANAGER: ASRAR PATHAN	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010 | 8020	Comments
1	SVW26-VPF-033	AIR	4/9/04	0704	NONE	1*	3	NORM	X	1* 60cc SYRINGE
2	SVW26-VPG-034	"	"	0730	"	"	"	"	X	
3	SVW26-VPH-035	"	"	0756	"	"	"	"	X	
4	SVW36-VPA-036	"	"	0822	"	"	"	"	X	
5	SVW36-VPB-037	"	"	0848	"	"	"	"	X	
6	SVW36-VPC-038	"	"	0914	"	"	"	"	X	
7	SVW36-VPD-039	"	"	0940	"	"	"	"	X	
8	SVW36-VPE-040	"	"	1006	"	"	"	"	X	
9	SVW36-VPE-041 DUPLICATE	"	"	1032	"	"	"	"	X	DUPLICATE
10										

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	4-10-04	1240	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON, LAB COORDINATOR: J. JONES	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF071404-4	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): GEOFON INC
PROJECT NAME: TPL #2	PROJECT LOCATION: QUARTERLY SW SAMPLING	PROJECT NUMBER: 4-12812	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0464	RECIPIENT NAME: J. JONES
PROJECT CONTACT: J. JONES	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 437 N. COEDROS AVE		ADDRESS: #270 22632 GOLDEN SPRINGS DR
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765
PROJECT MANAGER: ASLAM FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SRW39-VPI-001	AIR	7/14/04	0714	NONE	1*	3	NORM	X	1*60cc SYRINGE
2	SRW37-VPJ-002			0736					X	
3	SRW4-VPB-003			0758					X	
4	SRW4-VPD-004			0820					X	
5	SRW17-VPC-005			0844					X	
6	SRW33-VPD-006			0912					X	
7	SRW33-VPE-007			0934					X	
8	SRW33-VPF-008			0956					X	
9	SRW36-VPB-009			1018					X	
10	SRW36-VPB-010 DUPLICATE			1040					X	DUPLICATE

SAMPLES COLLECTED BY: Tay Mk	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tay Mk	Mark V Burke	7-14-04	1300	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

2 OF 2

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CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON - LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
T. JONES	909-396-7662	909-396-1455	6F071404-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
TPL #2	QUARTERLY SVW SAMPLING	4-12812	858-793-0401	858-793-0404	J. JONES
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
T. JONES	714-920-8438	N/A	437 N. CEDROS AVE		22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASRAR FAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010 / 8020	Comments
1	SVW36-VPC-011	AIR	7/14/04	1225	NONE	1*	3	96 hr	X	1* 60cc SYRINGE
2										
3										
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: Tony Malone

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony Malone	[signature]	7-14-04	1330	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
SCOTT BREHMER	909 396 7662	909 396 1455	6F102504-L6	MALK BURKE	GEOFON INC.
PROJECT NAME: JPL #2	PROJECT LOCATION: SEMI ANNUAL SVW SAMPLING	PROJECT NUMBER: 412812	LABORATORY PHONE: 858 793 0401	LABORATORY FAX: 858 793 0404	RECIPIENT NAME: SCOTT BREHMER.
PROJECT CONTACT: SCOTT BREHMER	PROJECT PHONE NUMBER: 909 396 7662	PROJECT FAX: N/A	LABORATORY ADDRESS: 437 N. CARLOS AVE.		ADDRESS: 22632 GOLDEN SPRINGS DR. # 270
PROJECT ADDRESS: 4800 OAKGROVE DR.	CITY, STATE AND ZIPCODE: PASADENA CA. 91108	CLIENT: US NAVY SWDIV.	CITY, STATE AND ZIPCODE: SCLANA BEACH CA. 92075		CITY, STATE AND ZIPCODE: DIAMOND BAR. CA. 91765
PROJECT MANAGER: ASLAN FATHEEM	PROJECT MANAGER'S PHONE: 909 396 7662	PROJECT MANAGER'S FAX: 909 396 1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses: EDB/EDO	Comments
1	SVW31-VPA-001	AIR	10/25/04	0747	NONE	1*	3	Norm	X	1* 60CC SYRINGE.
2	SVW31-VPB-002			0810					X	
3	SVW31-VPC-003			0832					X	
4	SVW31-VPD-004			0854					X	
5	SVW31-VPE-005			0916					X	
6	SVW30-VPA-006			0938					X	
7	SVW30-VPB-007			1000					X	
8	SVW30-VPC-008			1022					X	
9	SVW30-VPD-009			1049					X	
10	SVW30-VPD-010 DUPLICATE			1051			1		X	DUPLICATE

SAMPLES COLLECTED BY: Tony M. [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony M. [signature]	[signature]	10-25-04	1440	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR: SCOTT BLEHMER	LAB COORDINATOR'S PHONE: 909 396 7662	LAB COORDINATOR'S FAX: 909 396 1155	LABORATORY SERVICE ID: GF102504-46	LABORATORY CONTACT: MARK BILICE	MAIL REPORT (COMPANY NAME): GEOFON INC.
PROJECT NAME: JPL #2	PROJECT LOCATION: SAN ANTONIO SVW SAMPLING	PROJECT NUMBER: 412.812	LABORATORY PHONE: 858 793 0401	LABORATORY FAX: 858 793 0404	RECIPIENT NAME: SCOTT BLEHMER.
PROJECT CONTACT: SCOTT BLEHMER	PROJECT PHONE NUMBER: 909 396 7662	PROJECT FAX: N/A	LABORATORY ADDRESS: 437 N. CEDROS AVE		ADDRESS: 22632 GOLDEN SPRINGS DR. #270
PROJECT ADDRESS: 4800 OAK GROVE DR.	CITY, STATE AND ZIPCODE: PASADENA, CA. 91108	CLIENT: USARMY SWDIV.	CITY, STATE AND ZIPCODE: SOLANA BEACH CA. 92075		CITY, STATE AND ZIPCODE: DIAMOND BAR, CA, 91765
PROJECT MANAGER: ASKAR FAHERM	PROJECT MANAGER'S PHONE: 909 396 7662	PROJECT MANAGER'S FAX: 909 396 1155			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW30-VPE-011	AIR	10/25/01	1245	NONE	1*	3	NORM.	X	1* 60cc SYRINGE.
2	SVW12-VPA-012	"	"	1307	"	"	"	"	X	
3	SVW12-VPB-013	"	"	1329	"	"	"	"	X	
4	SVW12-VPC-014	"	"	1351	"	"	"	"	X	
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY:	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		10-25-01	1415	

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

1 OF 2

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
SCOTT BREHMER	909396 7662	909 396 1455	GF102504-26	MARIC BAKER	GEOFON INC.
PROJECT NAME SPL 3	**PROJECT LOCATION** SAN ANDREAS SWU SAMPLING	**PROJECT NUMBER** 412 812	**LABORATORY PHONE** 8587930401	**LABORATORY FAX** 858 7930404	**RECIPIENT NAME** SCOTT BREHMER.
PROJECT CONTACT SCOTT BREHMER	**PROJECT PHONE NUMBER** 909396 7662	**PROJECT FAX** N/A	**LABORATORY ADDRESS** 1137 N. OLIVE ST.	**ADDRESS** 22632 GOLDEN SPRINGS DR. #270
PROJECT ADDRESS 4800 OAK GROVE DR.	**CITY, STATE AND ZIPCODE** PASADENA, CA. 91108	**CLIENT** US NAVY SW DIV.	**CITY, STATE AND ZIPCODE** SAN DIEGO, CA 92155	**CITY, STATE AND ZIPCODE** DIAMOND BAR, CA, 91765
PROJECT MANAGER ASRAR FAHEEM	**PROJECT MANAGER'S PHONE** 909396 7662	**PROJECT MANAGER'S FAX** 909 396 1455		

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010 / 8020	Comments
1	SVW3-VPB-015	AIR	10/26/99	0746	None	1*	3	Norm	X	1* 6 LIT. SYRINGE.
2	SVW1-VPA-016			0808					X	
3	SVW1-VPB-017			0830					X	
4	SVW1-VPC-018			0852					X	
5	SVW2-VPA-019			0916					X	
6	SVW3-VPB-020			1120					X	
7	SVW3-VPB-021 DUPLICATE			1125					X	DUPLICATE.
8	SVW3-VPC-022			1205					X	
9	SVW7-VPA-023			1227					X	
10	SVW7-VPB-024			1249					X	

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE / TIME / SAMPLE'S CONDITION UPON RECEIPT
		10-26-99 1300

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR: SCOTT BRENNAN	LAB COORDINATOR'S PHONE: 909 396 7662	LAB COORDINATOR'S FAX: 909 396 1455	LABORATORY SERVICE ID: GF102504-L6	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): GEOFON INC.
PROJECT NAME: IRL #3	PROJECT LOCATION: SWMU 4 ANNUAL SVW SAMPLING	PROJECT NUMBER: 41-12812	LABORATORY PHONE: 858 730 6101	LABORATORY FAX: 858 730 6104	RECIPIENT NAME: SCOTT BRENNAN
PROJECT CONTACT: SCOTT BRENNAN	PROJECT PHONE NUMBER: 909 396 7662	PROJECT FAX: N/A	LABORATORY ADDRESS: 937 N. COAST HWY		ADDRESS: 22632 GOLDEN SPRINGS DR #290
PROJECT ADDRESS: 11800 OAK GLEN DR.	CITY, STATE AND ZIPCODE: PASADENA, CA 91108	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: ENCINITAS, CA 92075		CITY, STATE AND ZIPCODE: DIAMOND BAR, CA 91765
PROJECT MANAGER: MARK FARRAR	PROJECT MANAGER'S PHONE: 909 396 7662	PROJECT MANAGER'S FAX: 909 396 1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses 8010 / 8020	Comments
1	SVW4-VPB-025	AIR	10/26/04	1457	None	1*	3	Normal	X	*1 60cc SYRINGE
2	SVW8-VPC-026	"	"	1517	"	1	"	"	X	
3	SVW8-VPD-027	"	"	1539	"	1	"	"	X	
4	SVW8-VPB-028	"	"	1612	"	1	"	"	X	
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: Tony Nagel	COURIER AND AIR BILL NUMBER:			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY: Tony Nagel	RECEIVED BY: [illegible]	DATE: 10-26-04	TIME: 1300	SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON LAB COORDINATOR: Scott Brahmer	LAB COORDINATOR'S PHONE: 909 396 7662	LAB COORDINATOR'S FAX: 909 396 1455	LABORATORY SERVICE ID: GF102504-L6	LABORATORY CONTACT: Marie [illegible]	MAIL REPORT (COMPANY NAME): Geofon Inc.
PROJECT NAME: IPL #2	PROJECT LOCATION: Annual SVW Sampling	PROJECT NUMBER: 413812	LABORATORY PHONE: 8589930401	LABORATORY FAX: 8589930401	RECIPIENT NAME: Scott Brahmer
PROJECT CONTACT: Scott Brahmer	PROJECT PHONE NUMBER: 9093967662	PROJECT FAX: N/A	LABORATORY ADDRESS: 427 N. [illegible] Ave		ADDRESS: 22632 Golden Springs Dr #270
PROJECT ADDRESS: 1900 [illegible]	CITY, STATE AND ZIPCODE: [illegible] Ca [illegible]	CLIENT: US Navy SWDIV	CITY, STATE AND ZIPCODE: Solana Beach [illegible]		CITY, STATE AND ZIPCODE: Diamond Bar, CA 91765
PROJECT MANAGER: [illegible]	PROJECT MANAGER'S PHONE: 9093967662	PROJECT MANAGER'S FAX: 9093961455			

Analyses: [illegible]

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses								Comments
1	SVW11-VPA-029	Air	10/27/04	0800	None	1*	3*	Norm	X								[illegible]
2	SVW11-VPB-030			0822					X								
3	SVW9-VPA-031			0845					X								
4	SVW9-VPA-032 DUPLICATE			0850					X								DUPLICATE
5	SVW9-VPB-033			0935					X								
6	SVW9-VPC-034			0957					X								
7	SVW9-VPD-035			1020					X								
8	SVW9-VPE-036			1042					X								
9	SVW10-VPB-037			1104					X								
10	SVW10-VPD-038			1126					X								

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-27-04	1340	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON LAB COORDINATOR: Scott Brahmer	LAB COORDINATOR'S PHONE: 9093967662	LAB COORDINATOR'S FAX: 9093961455	LABORATORY SERVICE ID: GR1021104-L6	LABORATORY CONTACT: Marie Borice	MAIL REPORT (COMPANY NAME): GEOFON INC.
PROJECT NAME: IPL #3	PROJECT LOCATION: Annual Surv Sampling	PROJECT NUMBER: 412812	LABORATORY PHONE: 9587930401	LABORATORY FAX: 9587930401	RECIPIENT NAME: Scott Brahmer
PROJECT CONTACT: Scott Brahmer	PROJECT PHONE NUMBER: 9093967662	PROJECT FAX: N/A	LABORATORY ADDRESS: 437 N. Cedros Ave		ADDRESS: 22632 Golden Springs Dr #270
PROJECT ADDRESS: 1700 Commerce Dr	CITY, STATE AND ZIPCODE: Riverside, CA 92507	CLIENT: Mwy Surv	CITY, STATE AND ZIPCODE: Solana Beach, CA 92075		CITY, STATE AND ZIPCODE: Diamond Bar, CA 91765
PROJECT MANAGER: Arcor Fineran	PROJECT MANAGER'S PHONE: 9093967662	PROJECT MANAGER'S FAX: 9093961455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 3010/3020								Comments
1	SVW14-VPA-039	Air	10/26/04	1313	None	1*	3	Normal	X								1# 60cc Syringe
2	SVW14-VPB-040	1	1	1335	1	1	1	1	X								
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: Tony Martinez

RELINQUISHED BY: Tony Martinez

COURIER AND AIR BILL NUMBER:

RECEIVED BY: Matt Hall

DATE: 10.27.04

TIME: 1345

COOLER TEMPERATURE UPON RECEIPT:

SAMPLE'S CONDITION UPON RECEIPT:

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Brehmer	909 396 7662	909 396 1455	GF102504-L6	Mark Burke	Geofon Inc.
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
TPL #3	Annual SVW Sampling	417812	858 793 0401	858 793 0404	Scott Brehmer
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**	**ADDRESS**	
Scott Brehmer	909 396 7662	N/A	437 N. Cedros Ave	22632 Golden Springs Dr #270	
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**	**CITY, STATE AND ZIPCODE**	
1600 S. Grove Dr	Pasadena, CA 91108	U.S. Navy	Solana Beach, CA 92075	Diamond Bar, CA 91765	
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
Ken Fincher	909 396-7662	909 396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW33-VPA-041	Air	10/28/04	0718	None	1*	3	Normal	X	(# 40 ml Vials)
2	SVW33-VPB-042			0733					X	
3	SVW33-VPB-043 DUPLICATE			0735					X	DUPLICATE
4	SVW33-VPC-044			0820					X	
5	SVW33-VPD-045			0842					X	
6	SVW33-VPE-046			0904					X	
7	SVW33-VPF-047			0924					X	
8	SVW33-VPG-048			0948					X	
9	SVW33-VPT-049			1030					X	
10	SVW36-VPA-050			1055					X	

SAMPLES COLLECTED BY: Tony Martinez

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony Martinez	[illegible]	10-28-04	1440	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Brahmer	9093967662	909396 1455	GF107504-L6	Marie Borile	GEOFON INC.
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
IPL #3	Annual Srw Sampling	412812	858 793 0401	858 793 0404	Scott Brahmer
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**	**ADDRESS**	
Scott Brahmer	9093967662	N/A	437 N. Cedros Ave	22632 Golden Springs Dr #270	
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**	**CITY, STATE AND ZIPCODE**	
1600 Oak Grove Dr	Pasadena, CA 91108	US Navy SW Div	Solana Beach, CA 92075	Diamond Bar, CA 91765	
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
Asrar Faheem	909 396 7662	909 396 1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses EDD / EDT	Comments
1	SRW36-VPB-051	Air	10/28/09	1218	None	1 x	3	Norm	X	1 x Tedlar Syringe
2	SRW36-VPC-052			1240					X	
3	SRW36-VPD-053			1302					X	
4	SRW36-VPD-054 DUPLICATE			1305					X	DUPLICATE.
5	SRW36-VPB-055			1347					X	
6	SRW32-VPB-056			1412					X	
7	SRW32-VPI-057			1434					X	
8										
9										
10										

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
Tony Mendoza	RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony Mendoza			10-28-09	1445	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

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GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Brahmer	9093967662	9093961455	GF102504-LG	MARK BURKE	GEOFON Inc.
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #1	Annual SVW Sampling	412812	8589730401	8589720404	Scott Brahmer
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
Scott Brahmer	9093969662	N/A	427 N. Cedros Ave		22632 Golden Springs Dr #270
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 Oak Grove Dr	Pasadena, CA 91108	USEPA Region IX	Solana Beach, CA 92075		Diamond Bar, CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
Arun Kneem	1093969662	1093961455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses 8010 1,2-DCA								Comments
1	SVW32-VPI-058	Air	10/29/09	0948	None	1	3	Norm	X								1# 60 Oak Grove
2	SVW27-VPA-059			0810					X								
3	SVW27-VPB-060			0830					X								
4	SVW27-VPC-061			0842					X								
5	SVW27-VPD-062			0914					X								
6	SVW27-VPE-063			0936					X								
7	SVW27-VPF-064			0958					X								
8	SVW27-VPF-065 DUPLICATE			1000					X								DUPLICATE
9	SVW27-VPG-066 SVW			11:05					X								
10	SVW27-VPH-067 SVW27-VPI-067			11:15					X								

SAMPLES COLLECTED BY: | COURIER AND AIR BILL NUMBER: | COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Chris Mann	[signature]	10-29-09	1130	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Brehmer	(909) 396-7662	909 396 1455	6F102504-L6	Mark Bowka	Geofon, Inc.
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #3	Annual SVW Sampling	412812	8587930901	8587930404	Scott Brehmer
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**	**ADDRESS**	
Scott Brehmer	909 396 7662	N/A	437 N. Cedros Ave	22632 Golden Springs DR #270	
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**	**CITY, STATE AND ZIPCODE**	
4800 Oak Grove DR	Pasadena, CA 91108	US Navy SWDIV	Solana Beach, CA 92075	Diamond Bar, CA 91765	
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
Amar Fihram	909 396 7662	909 396 1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses 8260/8021D	Comments
1	SVW25-VPB-078	Air	11/2/04	721	None	1 *	3	Norm	X	1 * 60cc Syringe
2	SVW25-VPI-079	Air	11/2/04	743	None	1 *	3	Norm	X	
3	SVW25-VPJ-080	Air	11/2/04	804	None	1 *	3	Norm	X	
4	SVW19A-VPC-081	Air	11/2/04	833	None	1 *	3	Norm	X	
5	SVW 37-VPB-082	Air	11/2/04	857	None	1 *	3	Norm	X	
6	SVW 37-VPB-083	Air	11/2/04	919	None	1 *	3	Norm	X	
7	SVW 37-VPE-084	Air	11/2/04	942	None	1 *	3	Norm	X	
8	SVW37-VPH-085	Air	11/2/04	1007	None	1 *	3	Norm	X	
9	~~Duplicate Air-086~~ SVW37-VPI-086	Air	11/2/04	1029	None	1 *	3	Norm	X	
10	Duplicate - 087	Air	11/2/04		None	1 *	3	Norm	X	

SAMPLES COLLECTED BY: Shawn Clinton

RELINQUISHED BY: [signature] 11/2/04

COURIER AND AIR BILL NUMBER:

RECEIVED BY: [signature]

DATE	TIME
11/2/04	1915

COOLER TEMPERATURE UPON RECEIPT:

SAMPLE'S CONDITION UPON RECEIPT:

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Lor C

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Brahmer	9093967662	9093961455	GFA02E04-L6	MARK BUKKE	Geofon Inc.
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
SPL #3	Annual SVW Sampling	416812	8587930401	8587930404	Scott Brahmer
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
Scott Brahmer	9093967662	N/A	427 N. Cactus Ave		22632 Golden Springs Dr #270
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
1800 Cactus Dr	Rialto, CA 91108	US Navy SWDiv	Solana Beach, CA 92075		Diamond Bar, CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
Asmar Fisheem	909 396 7662	909 396 1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8015/8020	Comments
1	SVW37-VPJ-088	Air	11/2/04	1158	None	1*	3	Norm	X	1cc Gas Syringe
2	SVW34-VPE-089	Air	11/2/04	1223	None	1*	3	Norm	X	
3	SVW34-VPF-090	Air	11/2/04	1247	None	1*	3	Norm	X	
4	SVW38-VPD-091	Air	11/2/04	1315	None	1*	3	Norm	X	
5	SVW38-VPI-092	Air	11/2/04	1333	None	1*	3	Norm	X	
6	SVW38-VPJ-093	Air	11/2/04	1353	None	1*	3	Norm	X	
7										
8										
9										
10										

SAMPLES COLLECTED BY: Shaun Winnie

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	11/2/04		[signature]	11/2/04	1413	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

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DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Fortner	9093967662	909 396 1455	GF102571-L6	MARK BORRE	GEOFON INC.
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
TPL #3	Annual SVW Sampling	112812	8:8993040!	858993,0404	Scott Fortner
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**	**ADDRESS**	
Scott Fortner	9093967662	N/A	437 N. Cedros Ave	9665 Gowen Prince Dr #370	
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**	**CITY, STATE AND ZIPCODE**	
4800 Oak Grove Dr	Pasadena, CA 91108	USA Waste	Solana Beach, CA 92075	Diamond Bar, CA 91765	
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
Arsen Kahnamoui	9093967662	909 396 1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW35-VPB-068	Air	11/1/04	857	None	1*	3	Normal	X	1-1 60 ml Syringe
2	SVW35-VPE-069	Air	11/1/04	919	None	1*	3	Normal	X	
3	SVW28-VPA-070	Air	11/1/04	957	None	1*	3	Normal	X	
4	SVW28-VPB-071	Air	11/1/04	1019	None	1*	3	Normal	X	
5	SVW28-VPE-072	Air	11/1/04	1041	None	1*	3	Normal	X	
6	SVW26-VPF-073	Air	11/1/04	1113	None	1*	3	Normal	X	
7	SVW26-VPG-074	Air	11/1/04	1135	None	1*	3	Normal	X	
8	SVW26-VPH-075	Air	11/1/04	1157	None	1*	3	Normal	X	
9	DUPLICATE -076	Air	11/1/04		None	1*	3	Normal	X	
10	SVW25-VPA-077	Air	11/1/04	1255	None	1*	3	Normal	X	

SAMPLES COLLECTED BY: SHAUN C. VINING

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
11/1/04 GEOFON.		11-1-04	1300	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON LAB COORDINATOR: SCOTT BLANKER	LAB COORDINATOR'S PHONE: 909 396 7662	LAB COORDINATOR'S FAX: 909 376 1455	LABORATORY SERVICE ID:	LABORATORY CONTACT: MARK BUKER	MAIL REPORT (COMPANY NAME): GEOFON INC.
PROJECT NAME: SPL #3	PROJECT LOCATION: HUNTINGTON SVW SAMPLING	PROJECT NUMBER: 0912812	LABORATORY PHONE: 760 735 3708	LABORATORY FAX: 760 735 2467	RECIPIENT NAME: SCOTT BLANKER
PROJECT CONTACT: SCOTT BLANKER	PROJECT PHONE NUMBER: 909 396 7662	PROJECT FAX: N/A	LABORATORY ADDRESS: 1115 S. VINEWOOD ST #7		ADDRESS: 22632 GOLDEN SPRINGS DR. #270
PROJECT ADDRESS: 4800 OAK GLEN DR.	CITY, STATE AND ZIPCODE: PASADENA, CA 91108	CLIENT: US NAVY SW DIV	CITY, STATE AND ZIPCODE: ESCONDIDO, CA 92029		CITY, STATE AND ZIPCODE: DIAMOND BAR, CA. 91765.
PROJECT MANAGER: KARL KATHMAN	PROJECT MANAGER'S PHONE: 909 396 7662	PROJECT MANAGER'S FAX: 909 396 1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses GC/EC 8260	Comments
1	SVW6-VPB-094	AIR	11/3/04	746	NA	1*	3	Norm	X	1* 60C SYRINGE
2	SVW6-VPD-095	AIR	11/3/04	815	NA	1*	3	Norm	X	
3	SVW6-VPE-096	AIR	11/3/04	838	NA	1*	3	Norm	X	
4	SVW15-VPB-097	AIR	11/3/04	907	NA	1*	3	Norm	X	
5	SVW15-VPC-098	AIR	11/3/04	938	NA	1*	3	Norm	X	
6	DUPLICATE-099	AIR	11/3/04		NA	1*	3	Norm	X	
7	SVW15-VPD-100	AIR	11/3/04	1002	NA	1*	3	Norm	X	
8	SVW15-VPE-101	AIR	11/3/04	1058	NA	1*	3	Norm	X	
9	SVW39-VPE-102	AIR	11/3/04	1146	NA	1*	3	Norm	X	
10	SVW39-VPE-103	AIR	11/3/04	1234	NA	1*	3	Norm	X	

SAMPLES COLLECTED BY: G. HOWARD / D. VINING

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature] GEOFON 11/3/04			
	RECEIVED BY: [signature]	11/3/04	1730

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

APPENDIX B-3:

DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION VERIFICATION REPORTS

QA/QC CALIBRATION DATA

DATE: 02/02/04
H&P Project #GF020204-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD			2ND SOURCE (1ug/L) CLOSING		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	51.2	2.4%	50.0	49.1	1.8%
CHLOROETHANE	50	56.5	13.0%	50.0	54.9	9.8%
CHLOROFORM	50	54.0	8.0%	50.0	54.0	8.0%
1,1-DICHLORO ETHANE	50	56.7	13.4%	50.0	57.0	14.0%
1,2-DICHLORO ETHANE	50	54.2	8.4%	50.0	52.3	4.6%
1,1-DICHLORO ETHENE	50	54.7	9.4%	50.0	54.5	9.0%
CIS-1,2-DICHLORO ETHENE	50	54.9	9.8%	50.0	53.4	6.8%
TRANS-1,2-DICHLORO ETHENE	50	56.1	12.2%	50.0	55.5	11.0%
DICHLOROMETHANE	50	56.6	13.2%	50.0	56.7	13.4%
TETRACHLORO ETHENE	50	53.9	7.8%	50.0	52.3	4.6%
1,1,1,2-TETRACHLORO ETHANE	50	56.5	13.0%	50.0	55.6	11.2%
1,1,2,2-TETRACHLORO ETHANE	50	55.2	10.4%	50.0	48.5	3.0%
1,1,1-TRICHLORO ETHANE	50	51.5	3.0%	50.0	49.8	0.4%
1,1,2-TRICHLORO ETHANE	50	53.4	6.8%	50.0	52.3	4.6%
TRICHLORO ETHENE	50	51.6	3.2%	50.0	50.9	1.8%
VINYL CHLORIDE	50	56.0	12.0%	50.0	54.1	8.2%
TRICHLOROFLUOROMETHANE (FR11)	50	58.1	16.2%	50.0	57.7	15.4%
DICHLORODIFLUOROMETHANE (FR12)	50	51.9	3.8%	50.0	53.6	7.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.2	14.4%	50.0	55.2	10.4%
BENZENE	50	56.8	13.6%	50.0	56.4	12.8%
CHLOROBENZENE	50	53.6	7.2%	50.0	54.0	8.0%
ETHYLBENZENE	50	55.9	11.8%	50.0	54.9	9.8%
TOLUENE	50	53.8	7.6%	50.0	53.1	6.2%
m&p-XYLENES	100	113	13.1%	100.0	112	12.0%
o-XYLENE	50	55.3	10.6%	50.0	54.7	9.4%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6
SUPPLY SOURCE: SUPELCO LOT #LSS-828
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RT	RESULT	%DIFF
CARBON TETRACHLORIDE	1/28/2004	50	8.5	51.3	2.6%
CHLOROETHANE	1/28/2004	50	3.3	55.2	10.4%
CHLOROFORM	1/28/2004	50	8.1	54.3	8.6%
1,1-DICHLORO ETHANE	1/28/2004	50	7.4	54.3	8.6%
1,2-DICHLORO ETHANE	1/28/2004	50	8.6	53.3	6.6%
1,1-DICHLORO ETHENE	1/28/2004	50	6.4	52.8	5.6%
CIS-1,2-DICHLORO ETHENE	1/28/2004	50	7.9	54.7	9.4%
TRANS-1,2-DICHLORO ETHENE	1/28/2004	50	7.1	53.4	6.8%
DICHLOROMETHANE	1/28/2004	50	6.8	52.9	5.8%
TETRACHLORO ETHENE	1/28/2004	50	10.8	52.9	5.8%
1,1,1,2-TETRACHLORO ETHANE	1/28/2004	50	11.7	53.0	6.0%
1,1,2,2-TETRACHLORO ETHANE	1/28/2004	50	12.7	49.0	2.0%
1,1,1-TRICHLORO ETHANE	1/28/2004	50	8.4	52.3	4.6%
1,1,2-TRICHLORO ETHANE	1/28/2004	50	10.6	51.9	3.8%
TRICHLORO ETHENE	1/28/2004	50	9.2	53.1	6.2%
VINYL CHLORIDE	1/28/2004	50	2.7	55.8	11.6%
TRICHLOROFLUOROMETHANE (FR11)	1/28/2004	50	3.6	53.2	6.4%
DICHLORODIFLUOROMETHANE (FR12)	1/28/2004	50	2.3	50.7	1.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	1/28/2004	50	6.3	53.5	7.0%
BENZENE	1/28/2004	50	8.7	54.8	9.6%
ETHYLBENZENE	1/28/2004	50	11.7	55.4	10.8%
TOLUENE	1/28/2004	50	10.3	54.0	8.0%
m&p-XYLENES	1/28/2004	100	11.7	109	9.0%
o-XYLENE	1/28/2004	50	12.2	54.3	8.6%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 04/06/04
HP Labs Project #GF040604-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE (1ug/L) CLOSING		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	49.3	1.4%	50	51.8	3.6%
CHLOROFORM	50	52.8	5.6%	50	55.8	11.6%
1,1-DICHLORO ETHANE	50	56.3	12.6%	50	58.9	17.8%
1,2-DICHLORO ETHANE	50	52.4	4.8%	50	55.2	10.4%
1,1-DICHLORO ETHENE	50	53.4	6.8%	50	52.2	4.4%
CIS-1,2-DICHLORO ETHENE	50	49.4	1.2%	50	54.7	9.4%
TRANS-1,2-DICHLORO ETHENE	50	54.5	9.0%	50	56.7	13.4%
DICHLOROMETHANE	50	56.4	12.8%	50	59.8	19.6%
TETRACHLORO ETHENE	50	51.0	2.0%	50	55.7	11.4%
1,1,1,2-TETRACHLORO ETHANE	50	55.8	11.6%	50	59.4	18.8%
1,1,2,2-TETRACHLORO ETHANE	50	49.2	1.6%	50	52.8	5.6%
1,1,1-TRICHLORO ETHANE	50	47.6	4.8%	50	49.2	1.6%
1,1,2-TRICHLORO ETHANE	50	51.1	2.2%	50	54.9	9.8%
TRICHLORO ETHENE	50	45.9	8.2%	50	46.7	6.6%
VINYL CHLORIDE	50	59.8	19.6%	50	62.0	24.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	58.4	16.8%	50	60.2	20.4%
BENZENE	50	56.2	12.4%	50	59.9	19.8%
CHLOROBENZENE	50	52.0	4.0%	50	54.7	9.4%
ETHYLBENZENE	50	53.5	7.0%	50	55.8	11.6%
TOLUENE	50	49.4	1.2%	50	51.4	2.8%
m&p-XYLENES	100	112	12.0%	100	118	18.0%
o-XYLENE	50	53.8	7.6%	50	56.4	12.8%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 04/07/04
HP Labs Project #GF040604-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE (1ug/L) CLOSING		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	49.1	1.8%	50	49.6	0.8%
CHLOROFORM	50	51.3	2.6%	50	53.6	7.2%
1,1-DICHLORO ETHANE	50	55.2	10.4%	50	56.8	13.6%
1,2-DICHLORO ETHANE	50	51.1	2.2%	50	52.4	4.8%
1,1-DICHLORO ETHENE	50	51.4	2.8%	50	49.7	0.6%
CIS-1,2-DICHLORO ETHENE	50	52.4	4.8%	50	53.2	6.4%
TRANS-1,2-DICHLORO ETHENE	50	53.7	7.4%	50	52.8	5.6%
DICHLOROMETHANE	50	55.8	11.6%	50	57.1	14.2%
TETRACHLORO ETHENE	50	52.9	5.8%	50	54.4	8.8%
1,1,1,2-TETRACHLORO ETHANE	50	55.6	11.2%	50	58.8	17.6%
1,1,2,2-TETRACHLORO ETHANE	50	51.4	2.8%	50	48.3	3.4%
1,1,1-TRICHLORO ETHANE	50	47.7	4.6%	50	46.6	6.8%
1,1,2-TRICHLORO ETHANE	50	50.2	0.4%	50	52.1	4.2%
TRICHLORO ETHENE	50	47.3	5.4%	50	45.0	10.0%
VINYL CHLORIDE	50	59.8	19.6%	50	62.3	24.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	56.3	12.6%	50	58.5	17.0%
BENZENE	50	55.5	11.0%	50	58.1	16.2%
CHLOROBENZENE	50	53.0	6.0%	50	53.9	7.8%
ETHYLBENZENE	50	55.1	10.2%	50	56.2	12.4%
TOLUENE	50	50.9	1.8%	50	49.8	0.4%
m&p-XYLENES	100	112	12.0%	100	115	15.0%
o-XYLENE	50	54.5	9.0%	50	56.1	12.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 04/07/04
HP Labs Project #GF040604-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-856
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	MASS	CONTINUING STANDARD RESPONSE	%DIFF
CARBON TETRACHLORIDE	50	51.0	2.0%
CHLOROFORM	50	55.4	10.8%
1,1-DICHLORO ETHANE	50	59.0	18.0%
1,2-DICHLORO ETHANE	50	54.4	8.8%
1,1-DICHLORO ETHENE	50	51.4	2.8%
CIS-1,2-DICHLORO ETHENE	50	51.8	3.6%
TRANS-1,2-DICHLORO ETHENE	50	55.5	11.0%
DICHLOROMETHANE	50	59.9	19.8%
TETRACHLORO ETHENE	50	54.3	8.6%
1,1,1,2-TETRACHLORO ETHANE	50	59.7	19.4%
1,1,2,2-TETRACHLORO ETHANE	50	52.6	5.2%
1,1,1-TRICHLORO ETHANE	50	49.2	1.6%
1,1,2-TRICHLORO ETHANE	50	56.3	12.6%
TRICHLORO ETHENE	50	46.1	7.8%
VINYL CHLORIDE	50	59.8	19.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	59.9	19.7%
BENZENE	50	59.9	19.8%
CHLOROBENZENE	50	53.0	6.0%
ETHYLBENZENE	50	55.3	10.6%
TOLUENE	50	50.7	1.4%
m&p-XYLENES	100	117	17.0%
o-XYLENE	50	55.0	10.0%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 04/08/04
HP Labs Project #GF040604-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	48.6	2.8%	50	48.1	3.8%
CHLOROFORM	50	51.9	3.8%	50	53.1	6.2%
1,1-DICHLORO ETHANE	50	55.5	11.0%	50	56.1	12.2%
1,2-DICHLORO ETHANE	50	50.5	1.0%	50	51.5	3.0%
1,1-DICHLORO ETHENE	50	53.0	6.0%	50	52.2	4.4%
CIS-1,2-DICHLORO ETHENE	50	53.0	6.0%	50	53.0	6.0%
TRANS-1,2-DICHLORO ETHENE	50	54.2	8.4%	50	54.7	9.4%
DICHLOROMETHANE	50	56.3	12.6%	50	58.4	16.8%
TETRACHLORO ETHENE	50	53.4	6.8%	50	53.6	7.2%
1,1,1,2-TETRACHLORO ETHANE	50	56.3	12.6%	50	58.9	17.8%
1,1,2,2-TETRACHLORO ETHANE	50	50.5	1.0%	50	51.6	3.2%
1,1,1-TRICHLORO ETHANE	50	47.5	5.0%	50	47.5	5.0%
1,1,2-TRICHLORO ETHANE	50	49.5	1.0%	50	52.0	4.0%
TRICHLORO ETHENE	50	46.3	7.4%	50	46.0	8.0%
VINYL CHLORIDE	50	59.4	18.8%	50	62.3	24.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	56.0	12.0%	50	57.9	15.8%
BENZENE	50	55.5	11.0%	50	57.9	15.8%
CHLOROBENZENE	50	53.7	7.4%	50	54.2	8.4%
ETHYLBENZENE	50	55.1	10.2%	50	55.4	10.8%
TOLUENE	50	49.0	2.0%	50	49.4	1.2%
m&p-XYLENES	100	113	13.0%	100	114	14.0%
o-XYLENE	50	55.1	10.2%	50	55.2	10.4%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 04/09/04
HP Labs Project #GF040604-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	47.8	4.4%	50	48.7	2.6%
CHLOROFORM	50	51.7	3.4%	50	55.1	10.2%
1,1-DICHLORO ETHANE	50	54.2	8.4%	50	58.5	17.0%
1,2-DICHLORO ETHANE	50	49.4	1.2%	50	52.9	5.8%
1,1-DICHLORO ETHENE	50	51.4	2.8%	50	52.9	5.8%
CIS-1,2-DICHLORO ETHENE	50	52.6	5.2%	50	54.1	8.2%
TRANS-1,2-DICHLORO ETHENE	50	52.5	5.0%	50	55.1	10.2%
DICHLOROMETHANE	50	53.8	7.6%	50	58.9	17.8%
TETRACHLORO ETHENE	50	51.6	3.2%	50	55.5	11.0%
1,1,1,2-TETRACHLORO ETHANE	50	54.4	8.8%	50	59.4	18.8%
1,1,2,2-TETRACHLORO ETHANE	50	50.9	1.8%	50	52.9	5.8%
1,1,1-TRICHLORO ETHANE	50	48.0	4.0%	50	48.2	3.6%
1,1,2-TRICHLORO ETHANE	50	51.1	2.2%	50	55.1	10.2%
TRICHLORO ETHENE	50	47.1	5.8%	50	47.4	5.2%
VINYL CHLORIDE	50	59.2	18.4%	50	62.3	24.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	55.5	11.0%	50	56.8	13.6%
BENZENE	50	54.8	9.6%	50	58.8	17.6%
CHLOROBENZENE	50	52.0	4.0%	50	54.7	9.4%
ETHYLBENZENE	50	53.0	6.0%	50	56.7	13.4%
TOLUENE	50	50.6	1.2%	50	49.9	0.2%
m&p-XYLENES	100	110	10.0%	100	114	14.0%
o-XYLENE	50	52.4	4.8%	50	56.3	12.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6
SUPPLY SOURCE: SUPELCO LOT #LSS-836
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	3/1/2004	50	48.2	3.6%
CHLOROETHANE	3/1/2004	50	53.1	6.2%
CHLOROFORM	3/1/2004	50	49.5	1.0%
1,1-DICHLORO ETHANE	3/1/2004	50	49.3	1.4%
1,2-DICHLORO ETHANE	3/1/2004	50	49.5	1.0%
1,1-DICHLORO ETHENE	3/1/2004	50	51.5	3.0%
CIS-1,2-DICHLORO ETHENE	3/1/2004	50	50.3	0.6%
TRANS-1,2-DICHLORO ETHENE	3/1/2004	50	51.0	2.0%
DICHLOROMETHANE	3/1/2004	50	49.2	1.6%
TETRACHLORO ETHENE	3/1/2004	50	51.9	3.8%
1,1,1,2-TETRACHLORO ETHANE	3/1/2004	50	51.1	2.2%
1,1,2,2-TETRACHLORO ETHANE	3/1/2004	50	46.1	7.8%
1,1,1-TRICHLORO ETHANE	3/1/2004	50	48.0	4.0%
1,1,2-TRICHLORO ETHANE	3/1/2004	50	46.7	6.6%
TRICHLORO ETHENE	3/1/2004	50	48.4	3.2%
VINYL CHLORIDE	3/1/2004	50	52.0	4.0%
TRICHLOROFLUOROMETHANE (FR11)	3/1/2004	50	50.3	0.6%
DICHLORODIFLUOROMETHANE (FR12)	3/1/2004	50	49.0	2.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	3/1/2004	50	49.7	0.6%
BENZENE	3/1/2004	50	50.5	1.0%
ETHYLBENZENE	3/1/2004	50	50.9	1.8%
TOLUENE	3/1/2004	50	48.8	2.4%
m&p-XYLENES	3/1/2004	100	107	7.0%
o-XYLENE	3/1/2004	50	53.3	6.6%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 07/14/04
HP Labs Project #GF071404-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-856
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-857
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	53.1	6.2%	50	44.0	12.0%
CHLOROETHANE	50	51.2	2.4%	50	52.6	5.2%
CHLOROFORM	50	50.3	0.6%	50	48.1	3.8%
1,1-DICHLORO ETHANE	50	50.2	0.4%	50	49.0	2.0%
1,2-DICHLORO ETHANE	50	50.5	1.0%	50	50.0	0.0%
1,1-DICHLORO ETHENE	50	49.5	1.0%	50	52.0	4.0%
CIS-1,2-DICHLORO ETHENE	50	50.0	0.0%	50	46.5	7.0%
TRANS-1,2-DICHLORO ETHENE	50	50.7	1.4%	50	50.8	1.6%
DICHLOROMETHANE	50	49.2	1.6%	50	53.4	6.8%
TETRACHLORO ETHENE	50	51.6	3.2%	50	48.5	3.0%
1,1,1,2-TETRACHLORO ETHANE	50	49.5	1.0%	50	41.9	16.2%
1,1,2,2-TETRACHLORO ETHANE	50	52.9	5.8%	50	52.4	4.8%
1,1,1-TRICHLORO ETHANE	50	53.0	6.0%	50	45.9	8.2%
1,1,2-TRICHLORO ETHANE	50	49.0	2.0%	50	48.7	2.6%
TRICHLORO ETHENE	50	49.3	1.4%	50	46.9	6.2%
VINYL CHLORIDE	50	49.7	0.6%	50	51.9	3.8%
TRICHLOROFLUOROMETHANE (FR11)	50	50.1	0.2%	50	51.6	3.2%
DICHLORODIFLUOROMETHANE (FR12)	50	51.4	2.8%	50	47.6	4.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	48.8	2.4%	50	49.3	1.4%
BENZENE	50	48.3	3.4%	50	46.8	6.4%
CHLOROBENZENE	50	49.8	0.4%	50	47.8	4.4%
ETHYLBENZENE	50	49.4	1.2%	50	46.8	6.4%
TOLUENE	50	49.7	0.6%	50	48.2	3.6%
m&p-XYLENES	100	97.3	2.7%	100	92.9	7.1%
o-XYLENE	50	48.2	3.6%	50	45.4	9.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 07/14/04
HP Labs Project #GF071404-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-886
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	44.9	10.2%
CHLOROETHANE	50	51.9	3.8%
CHLOROFORM	50	49.7	0.6%
1,1-DICHLORO ETHANE	50	49.6	0.8%
1,2-DICHLORO ETHANE	50	52.4	4.8%
1,1-DICHLORO ETHENE	50	53.4	6.8%
CIS-1,2-DICHLORO ETHENE	50	49.2	1.6%
TRANS-1,2-DICHLORO ETHENE	50	53.9	7.8%
DICHLOROMETHANE	50	53.6	7.2%
TETRACHLORO ETHENE	50	49.9	0.2%
1,1,1,2-TETRACHLORO ETHANE	50	46.4	7.2%
1,1,2,2-TETRACHLORO ETHANE	50	54.2	8.4%
1,1,1-TRICHLORO ETHANE	50	47.2	5.6%
1,1,2-TRICHLORO ETHANE	50	51.9	3.8%
TRICHLORO ETHENE	50	47.6	4.8%
VINYL CHLORIDE	50	52.7	5.4%
TRICHLOROFLUOROMETHANE (FR11)	50	53.6	7.2%
DICHLORODIFLUOROMETHANE (FR12)	50	48.2	3.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	50.3	0.6%
BENZENE	50	48.6	2.8%
CHLOROBENZENE	50	49.9	0.2%
ETHYLBENZENE	50	49.4	1.2%
TOLUENE	50	49.3	1.4%
m&p-XYLENES	100	98.7	1.3%
o-XYLENE	50	49.1	1.8%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6
SUPPLY SOURCE: SUPELCO LOT #LSS-915
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	9/30/2004	50	54.5	-9.0%
CHLOROETHANE	9/30/2004	50	47.6	4.8%
CHLOROFORM	9/30/2004	50	50.0	0.0%
1,1-DICHLORO ETHANE	9/30/2004	50	49.7	0.6%
1,2-DICHLORO ETHANE	9/30/2004	50	51.4	-2.8%
1,1-DICHLORO ETHENE	9/30/2004	50	48.9	2.2%
CIS-1,2-DICHLORO ETHENE	9/30/2004	50	52.9	-5.8%
TRANS-1,2-DICHLORO ETHENE	9/30/2004	50	49.1	1.8%
DICHLOROMETHANE	9/30/2004	50	46.7	6.6%
TETRACHLORO ETHENE	9/30/2004	50	47.8	4.4%
1,1,1,2-TETRACHLORO ETHANE	9/30/2004	50	48.7	2.6%
1,1,2,2-TETRACHLORO ETHANE	9/30/2004	50	52.3	-4.6%
1,1,1-TRICHLORO ETHANE	9/30/2004	50	51.7	-3.4%
1,1,2-TRICHLORO ETHANE	9/30/2004	50	51.2	-2.4%
TRICHLORO ETHENE	9/30/2004	50	50.5	-1.0%
VINYL CHLORIDE	9/30/2004	50	47.0	6.0%
TRICHLOROFLUOROMETHANE (FR11)	9/30/2004	50	47.3	5.4%
DICHLORODIFLUOROMETHANE (FR12)	9/30/2004	50	49.7	0.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	9/30/2004	50	45.0	10.0%
BENZENE	9/30/2004	50	51.2	-2.4%
ETHYLBENZENE	9/30/2004	50	51.0	-2.0%
TOLUENE	9/30/2004	50	50.5	-1.0%
m&p-XYLENES	9/30/2004	100	103.9	-3.9%
o-XYLENE	9/30/2004	50	51.8	-3.6%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC CALIBRATION DATA

DATE: 10/25/04
HP Labs Project #GF102504-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	(1ug/l) 2ND SOURCE MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	46.0	8.0%	1	0.76	24.0%
CHLOROETHANE	50	49.3	1.4%	1	1.17	17.0%
CHLOROFORM	50	48.8	2.4%	1	0.99	1.0%
1,1-DICHLORO ETHANE	50	46.7	6.6%	1	0.96	4.0%
1,2-DICHLORO ETHANE	50	49.7	0.6%	1	1.00	0.0%
1,1-DICHLORO ETHENE	50	48.0	4.0%	1	1.12	12.0%
CIS-1,2-DICHLORO ETHENE	50	52.6	5.2%	1	1.09	9.0%
TRANS-1,2-DICHLORO ETHENE	50	48.4	3.2%	1	1.12	12.0%
DICHLOROMETHANE	50	49.7	0.6%	1	1.18	18.0%
TETRACHLORO ETHENE	50	48.4	3.2%	1	1.07	7.0%
1,1,1,2-TETRACHLORO ETHANE	50	46.0	8.0%	1	0.71	29.0%
1,1,2,2-TETRACHLORO ETHANE	50	56.4	12.8%	1	1.02	2.0%
1,1,1-TRICHLORO ETHANE	50	46.7	6.6%	1	0.87	13.0%
1,1,2-TRICHLORO ETHANE	50	55.7	11.4%	1	1.01	1.0%
TRICHLORO ETHENE	50	49.2	1.6%	1	1.03	3.0%
VINYL CHLORIDE	50	48.9	2.2%	1	1.15	15.0%
TRICHLOROFLUOROMETHANE (FR11)	50	49.6	0.8%	1	1.23	23.0%
DICHLORODIFLUOROMETHANE (FR12)	50	55.7	11.4%	1	1.24	24.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	48.3	3.4%	1	1.13	13.0%
BENZENE	50	51.2	2.4%	1	1.10	10.0%
CHLOROBENZENE	50	48.4	3.2%	1	1.02	2.0%
ETHYLBENZENE	50	51.4	2.8%	1	1.08	8.0%
TOLUENE	50	51.4	2.8%	1	1.14	14.0%
m&p-XYLENES	100	106	6.0%	2	2.24	12.0%
o-XYLENE	50	53.2	6.4%	1	1.10	10.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC CALIBRATION DATA

DATE: 10/26/04
HP Labs Project #GF102504-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	(1ug/l) 2ND SOURCE MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	42.8	14.4%	50	40.1	19.8%
CHLOROETHANE	50	54.4	8.8%	50	58.3	16.6%
CHLOROFORM	50	47.1	5.7%	50	47.7	4.6%
1,1-DICHLORO ETHANE	50	46.4	7.2%	50	48.7	2.6%
1,2-DICHLORO ETHANE	50	46.5	7.0%	50	49.5	1.0%
1,1-DICHLORO ETHENE	50	52.4	4.8%	50	59.0	18.0%
CIS-1,2-DICHLORO ETHENE	50	51.9	3.8%	50	53.8	7.6%
TRANS-1,2-DICHLORO ETHENE	50	51.3	2.6%	50	58.2	16.4%
DICHLOROMETHANE	50	49.9	0.2%	50	57.0	14.0%
TETRACHLORO ETHENE	50	51.6	3.2%	50	53.6	7.2%
1,1,1,2-TETRACHLORO ETHANE	50	43.8	12.4%	50	42.2	15.6%
1,1,2,2-TETRACHLORO ETHANE	50	53.4	6.8%	50	48.0	4.0%
1,1,1-TRICHLORO ETHANE	50	44.8	10.4%	50	43.1	13.8%
1,1,2-TRICHLORO ETHANE	50	49.2	1.6%	50	49.6	0.8%
TRICHLORO ETHENE	50	48.8	2.4%	50	51.3	2.6%
VINYL CHLORIDE	50	51.4	2.8%	50	58.6	17.2%
TRICHLOROFLUOROMETHANE (FR11)	50	52.4	4.8%	50	58.6	17.2%
DICHLORODIFLUOROMETHANE (FR12)	50	57.4	14.8%	50	58.0	16.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	49.5	1.0%	50	57.2	14.4%
BENZENE	50	51.3	2.6%	50	53.1	6.2%
CHLOROBENZENE	50	49.3	1.4%	50	51.6	3.2%
ETHYLBENZENE	50	51.8	3.6%	50	54.8	9.6%
TOLUENE	50	50.1	0.2%	50	51.0	2.0%
m&p-XYLENES	100	107	7.0%	100	110	9.5%
o-XYLENE	50	52.9	5.8%	50	53.9	7.8%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC CALIBRATION DATA

DATE: 10/27/04
HP Labs Project #GF102504-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			(1ug/l) 2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	43.9	12.2%	50	40.8	18.4%
CHLOROETHANE	50	57.7	15.4%	50	58.5	17.0%
CHLOROFORM	50	47.1	5.8%	50	50.2	0.4%
1,1-DICHLORO ETHANE	50	46.6	6.8%	50	49.9	0.2%
1,2-DICHLORO ETHANE	50	46.1	7.8%	50	51.5	3.0%
1,1-DICHLORO ETHENE	50	56.2	12.4%	50	57.7	15.4%
CIS-1,2-DICHLORO ETHENE	50	53.0	6.0%	50	56.0	12.0%
TRANS-1,2-DICHLORO ETHENE	50	55.5	11.0%	50	58.0	16.0%
DICHLOROMETHANE	50	55.7	11.4%	50	59.3	18.6%
TETRACHLORO ETHENE	50	51.5	3.0%	50	54.4	8.8%
1,1,1,2-TETRACHLORO ETHANE	50	45.7	8.6%	50	40.7	18.6%
1,1,2,2-TETRACHLORO ETHANE	50	48.3	3.4%	50	50.8	1.6%
1,1,1-TRICHLORO ETHANE	50	45.7	8.6%	50	46.3	7.4%
1,1,2-TRICHLORO ETHANE	50	48.7	2.6%	50	53.3	6.6%
TRICHLORO ETHENE	50	50.8	1.6%	50	52.2	4.4%
VINYL CHLORIDE	50	57.2	14.4%	50	59.1	18.2%
TRICHLOROFLUOROMETHANE (FR11)	50	59.0	18.0%	50	59.9	19.8%
DICHLORODIFLUOROMETHANE (FR12)	50	59.2	18.4%	50	59.5	19.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	56.5	13.0%	50	59.8	19.6%
BENZENE	50	51.9	3.8%	50	54.4	8.8%
CHLOROBENZENE	50	50.9	1.8%	50	52.7	5.4%
ETHYLBENZENE	50	53.0	6.0%	50	53.5	7.0%
TOLUENE	50	50.9	1.8%	50	52.8	5.6%
m&p-XYLENES	100	110	10.0%	100	109	9.0%
o-XYLENE	50	54.8	9.6%	50	54.1	8.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC CALIBRATION DATA

DATE: 10/28/04
HP Labs Project #GF102504-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	(1ug/l) 2ND SOURCE MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	47.2	5.6%	50	40.1	19.8%
CHLOROETHANE	50	55.9	11.8%	50	57.3	14.6%
CHLOROFORM	50	49.9	0.3%	50	52.2	4.4%
1,1-DICHLORO ETHANE	50	48.7	2.6%	50	51.8	3.6%
1,2-DICHLORO ETHANE	50	49.6	0.8%	50	55.0	10.0%
1,1-DICHLORO ETHENE	50	55.7	11.4%	50	59.0	18.0%
CIS-1,2-DICHLORO ETHENE	50	53.6	7.2%	50	58.0	16.0%
TRANS-1,2-DICHLORO ETHENE	50	55.5	11.0%	50	59.9	19.8%
DICHLOROMETHANE	50	56.9	13.8%	50	59.3	18.6%
TETRACHLORO ETHENE	50	53.0	6.0%	50	55.7	11.4%
1,1,1,2-TETRACHLORO ETHANE	50	49.6	0.8%	50	41.8	16.4%
1,1,2,2-TETRACHLORO ETHANE	50	55.0	10.0%	50	50.8	1.6%
1,1,1-TRICHLORO ETHANE	50	47.7	4.6%	50	45.8	8.4%
1,1,2-TRICHLORO ETHANE	50	54.9	9.8%	50	59.7	19.4%
TRICHLORO ETHENE	50	50.9	1.8%	50	55.7	11.4%
VINYL CHLORIDE	50	57.0	14.0%	50	59.5	19.0%
TRICHLOROFLUOROMETHANE (FR11)	50	58.6	17.2%	50	58.8	17.6%
DICHLORODIFLUOROMETHANE (FR12)	50	59.3	18.6%	50	60.7	21.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	53.6	7.2%	50	58.7	17.4%
BENZENE	50	53.4	6.8%	50	57.0	14.0%
CHLOROBENZENE	50	52.0	4.0%	50	54.3	8.6%
ETHYLBENZENE	50	53.7	7.4%	50	56.7	13.4%
TOLUENE	50	52.8	5.6%	50	54.8	9.6%
m&p-XYLENES	100	109	9.0%	100	114	14.0%
o-XYLENE	50	54.1	8.2%	50	57.3	14.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC CALIBRATION DATA

DATE: 10/29/04
HP Labs Project #GF102504-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			(1ug/l) 2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	44.9	10.2%	1	0.76	24.0%
CHLOROETHANE	50	58.0	16.0%	1	1.30	30.0%
CHLOROFORM	50	48.0	4.0%	1	0.98	2.0%
1,1-DICHLORO ETHANE	50	48.0	4.0%	1	0.98	2.0%
1,2-DICHLORO ETHANE	50	47.9	4.2%	1	1.02	2.0%
1,1-DICHLORO ETHENE	50	57.0	14.0%	1	1.25	25.0%
CIS-1,2-DICHLORO ETHENE	50	52.9	5.8%	1	1.06	6.0%
TRANS-1,2-DICHLORO ETHENE	50	56.7	13.4%	1	1.30	30.0%
DICHLOROMETHANE	50	55.8	11.6%	1	1.33	33.0%
TETRACHLORO ETHENE	50	52.5	5.0%	1	1.06	6.0%
1,1,1,2-TETRACHLORO ETHANE	50	47.0	6.0%	1	0.72	28.0%
1,1,2,2-TETRACHLORO ETHANE	50	50.4	0.8%	1	1.01	1.0%
1,1,1-TRICHLORO ETHANE	50	46.0	8.0%	1	0.82	18.0%
1,1,2-TRICHLORO ETHANE	50	50.6	1.2%	1	1.04	4.0%
TRICHLORO ETHENE	50	49.5	1.0%	1	1.05	5.0%
VINYL CHLORIDE	50	56.3	12.6%	1	1.30	30.0%
TRICHLOROFLUOROMETHANE (FR11)	50	59.1	18.2%	1	1.33	33.0%
DICHLORODIFLUOROMETHANE (FR12)	50	60.0	20.0%	1	1.36	36.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.3	14.6%	1	1.22	22.0%
BENZENE	50	51.9	3.8%	1	1.07	7.0%
CHLOROBENZENE	50	50.5	1.0%	1	1.01	1.0%
ETHYLBENZENE	50	53.0	6.0%	1	1.05	5.0%
TOLUENE	50	51.6	3.2%	1	1.15	15.0%
m&p-XYLENES	100	110	10.0%	2	2.18	9.0%
o-XYLENE	50	54.0	8.0%	1	1.10	10.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC CALIBRATION DATA

DATE: 11/01/04
HP Labs Project #GF102504-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	47.8	4.4%	50	41.4	17.2%
CHLOROETHANE	50	61.5	23.0%	50	67.4	34.8%
CHLOROFORM	50	47.8	4.4%	50	49.5	1.0%
1,1-DICHLORO ETHANE	50	47.7	4.6%	50	49.1	1.8%
1,2-DICHLORO ETHANE	50	47.3	5.4%	50	48.9	2.2%
1,1-DICHLORO ETHENE	50	48.9	2.2%	50	49.7	0.6%
CIS-1,2-DICHLORO ETHENE	50	53.7	7.4%	50	54.5	9.0%
TRANS-1,2-DICHLORO ETHENE	50	54.6	9.2%	50	65.6	31.2%
DICHLOROMETHANE	50	56.7	13.4%	50	63.8	27.6%
TETRACHLORO ETHENE	50	54.3	8.6%	50	54.9	9.8%
1,1,1,2-TETRACHLORO ETHANE	50	50.5	1.0%	50	42.9	14.2%
1,1,2,2-TETRACHLORO ETHANE	50	50.9	1.8%	50	48.5	3.0%
1,1,1-TRICHLORO ETHANE	50	46.7	6.6%	50	45.1	9.8%
1,1,2-TRICHLORO ETHANE	50	51.3	2.6%	50	54.1	8.2%
TRICHLORO ETHENE	50	50.3	0.6%	50	51.2	2.4%
VINYL CHLORIDE	50	58.8	17.6%	50	62.8	25.6%
TRICHLOROFLUOROMETHANE (FR11)	50	60.8	21.6%	50	72.4	44.8%
DICHLORODIFLUOROMETHANE (FR12)	50	62.1	24.2%	50	60.6	21.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	50.1	0.2%	50	50.8	1.6%
BENZENE	50	52.4	4.8%	50	53.5	7.0%
CHLOROBENZENE	50	51.6	3.2%	50	52.8	5.6%
ETHYLBENZENE	50	55.7	11.4%	50	55.0	10.0%
TOLUENE	50	57.1	14.2%	50	53.4	6.8%
m&p-XYLENES	100	115	15.0%	100	115.0	15.0%
o-XYLENE	50	57.2	14.4%	50	55.7	11.4%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC CALIBRATION DATA

DATE: 11/02/04
HP Labs Project #GF102504-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	OPENING STANDARD RESULT	OPENING STANDARD %DIFF	2ND SOURCE MASS	2ND SOURCE RESULT	2ND SOURCE %DIFF
CARBON TETRACHLORIDE	50	53.0	6.0%	50	44.3	11.4%
CHLOROETHANE	50	53.8	7.6%	50	54.2	8.4%
CHLOROFORM	50	54.5	9.0%	50	54.1	8.2%
1,1-DICHLORO ETHANE	50	48.3	3.4%	50	48.3	3.4%
1,2-DICHLORO ETHANE	50	47.0	6.0%	50	51.8	3.6%
1,1-DICHLORO ETHENE	50	53.0	6.0%	50	57.3	14.6%
CIS-1,2-DICHLORO ETHENE	50	54.0	8.0%	50	54.4	8.8%
TRANS-1,2-DICHLORO ETHENE	50	52.7	5.4%	50	56.5	13.0%
DICHLOROMETHANE	50	51.4	2.8%	50	58.3	16.6%
TETRACHLORO ETHENE	50	53.2	6.4%	50	52.8	5.6%
1,1,1,2-TETRACHLORO ETHANE	50	48.3	3.4%	50	41.6	16.8%
1,1,2,2-TETRACHLORO ETHANE	50	46.4	7.2%	50	51.1	2.2%
1,1,1-TRICHLORO ETHANE	50	52.6	5.2%	50	47.3	5.4%
1,1,2-TRICHLORO ETHANE	50	48.4	3.2%	50	53.1	6.2%
TRICHLORO ETHENE	50	52.0	4.0%	50	51.5	3.0%
VINYL CHLORIDE	50	48.2	3.6%	50	49.6	0.8%
TRICHLOROFLUOROMETHANE (FR11)	50	60.7	21.4%	50	60.0	20.0%
DICHLORODIFLUOROMETHANE (FR12)	50	59.5	19.0%	50	58.6	17.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	53.2	6.4%	50	54.7	9.4%
BENZENE	50	53.7	7.4%	50	53.2	6.4%
CHLOROBENZENE	50	48.5	3.0%	50	49.0	2.0%
ETHYLBENZENE	50	53.5	7.0%	50	51.2	2.4%
TOLUENE	50	52.8	5.6%	50	51.7	3.4%
m&p-XYLENES	100	107	7.0%	100	105	5.0%
o-XYLENE	50	52.8	5.6%	50	52.3	4.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC CALIBRATION DATA

DATE: 11/03/04
HP Labs Project #GF102504-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-917
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-915
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD			2ND SOURCE		
	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	53.8	7.6%	50	44.4	11.2%
CHLOROETHANE	50	52.1	4.2%	50	45.8	8.4%
CHLOROFORM	50	53.1	6.2%	50	52.8	5.6%
1,1-DICHLORO ETHANE	50	48.5	3.0%	50	46.7	6.6%
1,2-DICHLORO ETHANE	50	48.6	2.8%	50	50.4	0.8%
1,1-DICHLORO ETHENE	50	54.9	9.8%	50	48.9	2.2%
CIS-1,2-DICHLORO ETHENE	50	52.4	4.8%	50	52.6	5.2%
TRANS-1,2-DICHLORO ETHENE	50	53.3	6.6%	50	49.9	0.2%
DICHLOROMETHANE	50	54.1	8.2%	50	49.4	1.2%
TETRACHLORO ETHENE	50	51.6	3.2%	50	52.1	4.2%
1,1,1,2-TETRACHLORO ETHANE	50	49.5	1.0%	50	42.2	15.6%
1,1,2,2-TETRACHLORO ETHANE	50	46.6	6.8%	50	52.5	5.0%
1,1,1-TRICHLORO ETHANE	50	52.6	5.2%	50	48.5	3.0%
1,1,2-TRICHLORO ETHANE	50	51.4	2.8%	50	52.1	4.2%
TRICHLORO ETHENE	50	50.0	0.0%	50	50.6	1.2%
VINYL CHLORIDE	50	49.1	1.8%	50	42.4	15.2%
TRICHLOROFLUOROMETHANE (FR11)	50	57.6	15.2%	50	55.2	10.4%
DICHLORODIFLUOROMETHANE (FR12)	50	57.7	15.4%	50	55.8	11.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	54.0	8.0%	50	49.7	0.6%
BENZENE	50	52.7	5.4%	50	51.2	2.4%
CHLOROBENZENE	50	48.5	3.0%	50	48.6	2.8%
ETHYLBENZENE	50	51.3	2.6%	50	51.6	3.2%
TOLUENE	50	52.6	5.2%	50	49.1	1.8%
m&p-XYLENES	100	106	6.0%	100	103	3.0%
o-XYLENE	50	52.5	5.0%	50	51.6	3.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC - CALIBRATION DATA

DATE: 10/25/04
HP Labs Project #GF102504-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-917
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	MASS	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	40.3	19.4%
CHLOROETHANE	50	51.1	2.2%
CHLOROFORM	50	48.0	4.0%
1,1-DICHLORO ETHANE	50	47.4	5.2%
1,2-DICHLORO ETHANE	50	49.1	1.8%
1,1-DICHLORO ETHENE	50	51.7	3.4%
CIS-1,2-DICHLORO ETHENE	50	53.7	7.4%
TRANS-1,2-DICHLORO ETHENE	50	50.9	1.8%
DICHLOROMETHANE	50	51.2	2.4%
TETRACHLORO ETHENE	50	50.9	1.8%
1,1,1,2-TETRACHLORO ETHANE	50	41.9	16.2%
1,1,2,2-TETRACHLORO ETHANE	50	50.3	0.6%
1,1,1-TRICHLORO ETHANE	50	44.1	11.8%
1,1,2-TRICHLORO ETHANE	50	51.7	3.4%
TRICHLORO ETHENE	50	50.3	0.6%
VINYL CHLORIDE	50	50.3	0.6%
TRICHLOROFLUOROMETHANE (FR11)	50	53.2	6.4%
DICHLORODIFLUOROMETHANE (FR12)	50	59.7	19.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	47.8	4.4%
BENZENE	50	52.4	4.8%
CHLOROBENZENE	50	50.0	0.0%
ETHYLBENZENE	50	53.5	7.0%
TOLUENE	50	52.2	4.4%
m&p-XYLENES	100	107.8	7.8%
o-XYLENE	50	53.7	7.4%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

QA/QC - CALIBRATION DATA

DATE: 10/26/04
HP Labs Project #GF102504-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-917
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	MASS	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	40.4	19.2%
CHLOROETHANE	50	59.5	19.0%
CHLOROFORM	50	49.2	1.6%
1,1-DICHLORO ETHANE	50	49.0	2.0%
1,2-DICHLORO ETHANE	50	49.7	0.6%
1,1-DICHLORO ETHENE	50	60.0	20.0%
CIS-1,2-DICHLORO ETHENE	50	53.3	6.6%
TRANS-1,2-DICHLORO ETHENE	50	58.4	16.8%
DICHLOROMETHANE	50	59.6	19.2%
TETRACHLORO ETHENE	50	55.1	10.2%
1,1,1,2-TETRACHLORO ETHANE	50	41.9	16.2%
1,1,2,2-TETRACHLORO ETHANE	50	49.5	1.0%
1,1,1-TRICHLORO ETHANE	50	43.9	12.2%
1,1,2-TRICHLORO ETHANE	50	53.3	6.6%
TRICHLORO ETHENE	50	51.7	3.4%
VINYL CHLORIDE	50	59.7	19.4%
TRICHLOROFLUOROMETHANE (FR11)	50	59.8	19.6%
DICHLORODIFLUOROMETHANE (FR12)	50	59.8	19.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	59.2	18.4%
BENZENE	50	53.0	6.0%
CHLOROBENZENE	50	52.9	5.8%
ETHYLBENZENE	50	54.9	9.8%
TOLUENE	50	51.1	2.2%
m&p-XYLENES	100	114.2	14.2%
o-XYLENE	50	55.6	11.2%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC - CALIBRATION DATA

DATE: 10/27/04
HP Labs Project #GF102504-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-917
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	MASS	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	40.1	19.8%
CHLOROETHANE	50	57.1	14.2%
CHLOROFORM	50	49.0	2.0%
1,1-DICHLORO ETHANE	50	48.3	3.4%
1,2-DICHLORO ETHANE	50	50.5	1.0%
1,1-DICHLORO ETHENE	50	56.5	13.0%
CIS-1,2-DICHLORO ETHENE	50	54.1	8.2%
TRANS-1,2-DICHLORO ETHENE	50	56.9	13.8%
DICHLOROMETHANE	50	53.4	6.8%
TETRACHLORO ETHENE	50	52.4	4.8%
1,1,1,2-TETRACHLORO ETHANE	50	40.1	19.8%
1,1,2,2-TETRACHLORO ETHANE	50	49.0	2.0%
1,1,1-TRICHLORO ETHANE	50	43.2	13.6%
1,1,2-TRICHLORO ETHANE	50	52.6	5.2%
TRICHLORO ETHENE	50	51.3	2.6%
VINYL CHLORIDE	50	56.4	12.8%
TRICHLOROFLUOROMETHANE (FR11)	50	58.7	17.4%
DICHLORODIFLUOROMETHANE (FR12)	50	58.3	16.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	54.7	9.4%
BENZENE	50	52.7	5.4%
CHLOROBENZENE	50	50.7	1.4%
ETHYLBENZENE	50	53.4	6.8%
TOLUENE	50	51.9	3.8%
m&p-XYLENES	100	110.0	10.0%
o-XYLENE	50	52.4	4.8%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC - CALIBRATION DATA

DATE: 10/28/04
HP Labs Project #GF102504-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-917
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	MASS	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	40.3	19.4%
CHLOROETHANE	50	59.8	19.6%
CHLOROFORM	50	52.3	4.6%
1,1-DICHLORO ETHANE	50	50.1	0.2%
1,2-DICHLORO ETHANE	50	52.7	5.4%
1,1-DICHLORO ETHENE	50	59.2	18.4%
CIS-1,2-DICHLORO ETHENE	50	56.7	13.4%
TRANS-1,2-DICHLORO ETHENE	50	58.5	17.0%
DICHLOROMETHANE	50	59.6	19.2%
TETRACHLORO ETHENE	50	53.8	7.6%
1,1,1,2-TETRACHLORO ETHANE	50	42.4	15.2%
1,1,2,2-TETRACHLORO ETHANE	50	53.7	7.4%
1,1,1-TRICHLORO ETHANE	50	44.0	12.0%
1,1,2-TRICHLORO ETHANE	50	57.0	14.0%
TRICHLORO ETHENE	50	53.8	7.6%
VINYL CHLORIDE	50	59.0	18.0%
TRICHLOROFLUOROMETHANE (FR11)	50	59.9	19.8%
DICHLORODIFLUOROMETHANE (FR12)	50	59.2	18.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	58.3	16.6%
BENZENE	50	55.5	11.0%
CHLOROBENZENE	50	52.9	5.8%
ETHYLBENZENE	50	54.1	8.2%
TOLUENE	50	53.8	7.6%
m&p-XYLENES	100	112.0	12.0%
o-XYLENE	50	55.6	11.2%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

QA/QC - CALIBRATION DATA

DATE: 11/02/04
HP Labs Project #GF102504-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-917
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	44.7	10.6%
CHLOROETHANE	50	62.3	24.6%
CHLOROFORM	50	55.3	10.6%
1,1-DICHLORO ETHANE	50	49.5	1.0%
1,2-DICHLORO ETHANE	50	51.0	2.0%
1,1-DICHLORO ETHENE	50	46.7	6.6%
CIS-1,2-DICHLORO ETHENE	50	55.1	10.2%
TRANS-1,2-DICHLORO ETHENE	50	57.6	15.2%
DICHLOROMETHANE	50	57.4	14.8%
TETRACHLORO ETHENE	50	55.1	10.2%
1,1,1,2-TETRACHLORO ETHANE	50	40.3	19.4%
1,1,2,2-TETRACHLORO ETHANE	50	50.5	1.0%
1,1,1-TRICHLORO ETHANE	50	48.9	2.2%
1,1,2-TRICHLORO ETHANE	50	54.0	8.0%
TRICHLORO ETHENE	50	52.4	4.8%
VINYL CHLORIDE	50	51.6	3.2%
TRICHLOROFLUOROMETHANE (FR11)	50	61.4	22.8%
DICHLORODIFLUOROMETHANE (FR12)	50	58.5	17.0%
1,1,2-TRICHLOROTRIFLUORÓETHANE (FR113)	50	48.0	4.0%
BENZENE	50	55.5	11.0%
CHLOROBENZENE	50	49.9	0.2%
ETHYLBENZENE	50	54.0	8.0%
TOLUENE	50	54.7	9.4%
m&p-XYLENES	100	110.0	10.0%
o-XYLENE	50	54.3	8.6%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS